

Title (en)
Switch-equipped coaxial connector

Title (de)
Mit einem Schalter ausgestatteter Koaxialstecker

Title (fr)
Connecteur coaxial équipé d'un commutateur

Publication
EP 2523272 A1 20121114 (EN)

Application
EP 12166148 A 20120430

Priority
JP 2011106183 A 20110511

Abstract (en)
Occurrence of defective electrical connection caused by dust that has entered the interior through a corresponding insertion hole can be prevented well by a simple configuration. A through hole facing a corresponding insertion hole is formed to penetrate through a movable contact attached to an insulating housing, and two corresponding connector contact pieces are disposed respectively in both sides sandwiching the through hole. Thus, the dust that has entered the interior through the corresponding insertion hole opened when a corresponding connector is not mated is configured to be discharged through the through hole without accumulating the dust on the movable contact to reduce the risk that the electrical conductivity between the movable contact and the fixed contact may be disturbed by the dust.

IPC 8 full level
H01R 24/46 (2011.01); **H01R 24/50** (2011.01); **H01R 103/00** (2006.01)

CPC (source: EP KR US)
H01R 13/703 (2013.01 - KR); **H01R 24/46** (2013.01 - EP US); **H01R 24/50** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Citation (applicant)
JP 2006049276 A 20060216 - HOSIDEN CORP

Citation (search report)
• [X] US 2005227523 A1 20051013 - ANZAI MASAHIRO [JP]
• [A] EP 2175531 A1 20100414 - MURATA MANUFACTURING CO [JP]
• [A] US 2010248539 A1 20100930 - NAKAGAWA TSUYOSHI [JP]
• [A] US 2006128195 A1 20060615 - CHEN KUN H [TW]

Cited by
EP2631997A1; CN108253879A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2523272 A1 20121114; EP 2523272 B1 20160615; CN 102780106 A 20121114; CN 102780106 B 20150311; JP 2012238457 A 20121206; JP 5720409 B2 20150520; KR 101323913 B1 20131031; KR 20120127217 A 20121121; TW 201308775 A 20130216; TW I462404 B 20141121; US 2012289085 A1 20121115; US 8535074 B2 20130917

DOCDB simple family (application)
EP 12166148 A 20120430; CN 201210146267 A 20120511; JP 2011106183 A 20110511; KR 20120042049 A 20120423; TW 101113877 A 20120419; US 201213455440 A 20120425